



WE.T0.S10 Valve Series

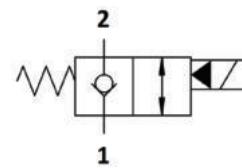
SAE Cartridge – 350 Bar

NC Single Lock Pilot Operated – Poppet Type



Description & Operation

Solenoid operated, 2-way 2-positions, normally closed, piloted poppet type, screw-in cartridge valve. Typically used as a blocking or load holding device for high pressure circuits. When the coil is de-energized, the SVT0.S10 acts as check valve allowing free flow from 1 to 2, while blocking from 2 to 1. When the coil is energized the poppet lifts and opens both the 2 to 1 and the 1 to 2 flow paths. The rigid design using a 1-piece body contributes to minimize the effect of eccentricities in cavity and provides great reliability. Low pressure drop thanks to optimized flow path



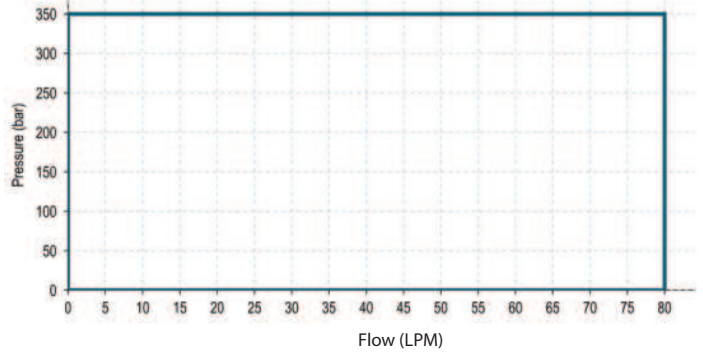
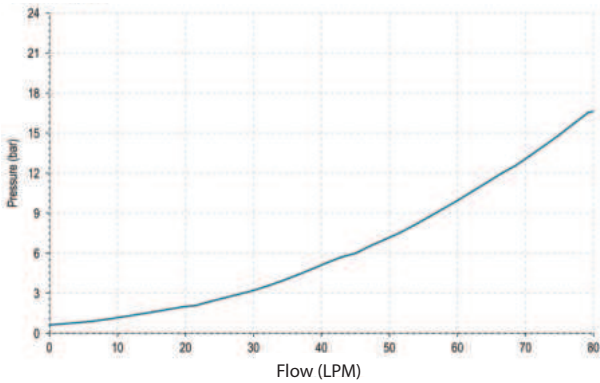
Hydraulic Symbol



Technical Data

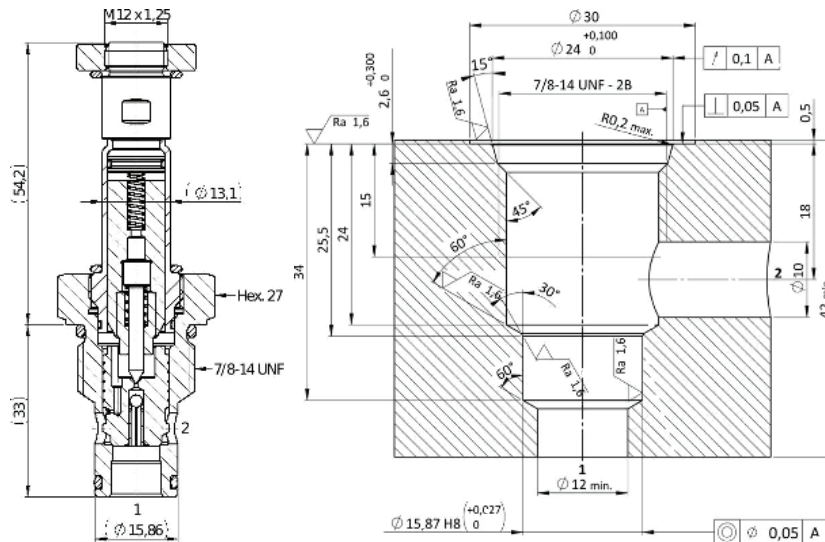
Maximum operating pressure	350 Bar
Maximum flow	80 LPM
Maximum internal leakage	0.25 cm ³ / min @350 Bar
External component treatment	Zn/Fe - standard (96h) Zn/Ni (720h)
Switch ON Time	30 ms
Switch OFF Time	50 ms
O-ring Temperature Range	-30° C to 110° C (standard sealing NBR - BUNA-N)
Oil Temperature Range	-30 C to 110 C
Fluids	Mineral - based or synthetics with lubricating properties
Viscosities	7.4 to 420 cSt
Minimum pull-in voltage	85% of nominal
Filtration	20/18/15 ISO 4406 (maximum filtration admitted)
Orientation	No restrictions
Installation torque	55 - 65 Nm (Hex. 27)
Oil testing condition	ISO VG 46 cSt
Seal kit code	SLKT.032 & SLKT.027 (COIL)
Coil	18W
Weight	0.139 kg

 **Performance Curve**



 **Dimensional Drawing**

Cross Section and Cavity Details



 **Ordering Code**

W E • T O • S I O • O * • N O O

valve basic code

Cavity
S10 = 7/8 - 14 UNF
with $\varnothing 15.86$ nose size

Marking
0 = standard factory marking. customized marking can be done upon request

Manual Override

Model Code	Type of Override
0	No Override
1	Screw
2	Push and Twist
6	Pull And Hold

NOTE: All Solenoid cartridge valves listed in the present catalogue are designed to work with D.C. power supply. To work with A.C. power supply, a RAC coil and connector with rectifier must be used. For any additional information, please contact your Sales contact representative.

SOLENOID VALVES